IN THE CLAIMS:

Please amend the claims as follows:

- 1. (Currently Amended) Method for determining the an envelope curve of a modulated input signal comprising the steps of:
 - generating digital samples by digital sampling a modulated input signal,
- generating Fourier-transformed samples by Fourier transforming the digital samples,
- generating sideband-cleaned, Fourier-transformed samples by removing a range with negative frequencies or a range with positive frequencies from the Fourier-transformed samples,
- generating inverse-transformed samples by inverse Fourier transforming the sideband-cleaned, Fourier-transformed samples, and
 - forming values of the <u>an</u> absolute value of the inverse-transformed samples.
 - 2. (Cancelled)
 - 3. (Cancelled)
- 4. (Currently Amended) Method according to claim 1, comprising logarithmizing the values calculating the logarithms of the values of the absolute value relative to an effective value of the inverse-transformed samples.
- 5. (Currently amended) Method according to claim 4, comprising displaying the frequency distribution of the logarithmized values logarithms as a

function of the <u>a</u> logarithmized level (complementary cumulative distribution function diagram).

- 6. (Previously presented) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor to implement the method according to claim 1.
- 7. (Previously presented) Computer program product with a program code stored on a machine-readable carrier in order to implement all the steps according to claim 1 when the program is run on a computer or a digital signal processor.
- 8. (Previously presented) Computer program with program code in order to implement all the steps according to claim 1 when the program is run on a computer or a digital signal processor.
- 9. (Previously presented) Computer program with program code in order to be able to implement all the steps according to claim 1 when the program is stored on a machine readable data carrier.

- 10. (New) Method for determining an envelope curve of a modulated input signal comprising the steps of:
 - generating digital samples by digital sampling a modulated input signal,
- generating Fourier-transformed samples by Fourier transforming the digital samples,
- generating sideband-cleaned, Fourier-transformed samples by removing a range with negative frequencies or a range with positive frequencies from the Fourier-transformed samples, and removing a level component at a zero frequency,
- generating inverse-transformed samples by inverse Fourier transforming the sideband-cleaned, Fourier-transformed samples, and
 - forming values of the absolute value of an inverse-transformed samples.
- 11. (New) Method according to claim 10, comprising processing the inverse-transformed samples further only in such a limited range that a cyclic continuation, which is caused by the Fourier transform and inverse Fourier transform, is suppressed.
- 12. (Currently Amended) Method according to claim 10, comprising logarithmizing the values calculating the logarithms of the values of the absolute value relative to an effective value of the inverse-transformed samples.
- 13. (Currently amended) Method according to claim 12, comprising displaying the frequency distribution of the logarithmized values logarithms as a function of the a logarithmized level (complementary cumulative distribution function diagram).

- 14. (New) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor to implement the method according to claim 10.
- 15. (New) Computer program product with a program code stored on a machine-readable carrier in order to implement all the steps according to claim 10 when the program is run on a computer or a digital signal processor.
- 16. (New) Computer program with program code in order to implement all the steps according to claim 10 when the program is run on a computer or a digital signal processor.
- 17. (New) Computer program with program code in order to be able to implement all the steps according to claim [[1]] 10 when the program is stored on a machine readable data carrier.

- 18. (New) Method for determining an envelope curve of a modulated input signal comprising the steps of:
 - generating digital samples by digital sampling a modulated input signal,
- generating Fourier-transformed samples by Fourier transforming the digital samples,
- generating sideband-cleaned, Fourier-transformed samples by removing <u>a</u> range with negative frequencies or a range with positive frequencies from the Fourier-transformed samples,
- generating inverse-transformed samples by inverse Fourier transforming the sideband-cleaned, Fourier-transformed samples,
- processing the inverse-transformed samples further only in such a limited range that a cyclic continuation, which is caused by the Fourier transform and inverse Fourier transform, is suppressed and,
 - forming values of an absolute value of the inverse-transformed samples.
- 19. (Currently Amended) Method according to claim 18, comprising logarithmizing the values calculating the logarithms of the values of the absolute value relative to an effective value of the inverse-transformed samples.
- 20. (Currently amended) Method according to claim 19, comprising displaying the frequency distribution of the logarithmized values logarithms as a function of the a logarithmized level (complementary cumulative distribution function diagram).

- 21. (New) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor to implement the method according to claim 18.
- 22. (New) Computer program product with a program code stored on a machine-readable carrier in order to implement all the steps according to claim 18 when the program is run on a computer or a digital signal processor.
- 23. (New) Computer program with program code in order to implement all the steps according to claim 18 when the program is run on a computer or a digital signal processor.
- 24. (New) Computer program with program code in order to be able to implement all the steps according to claim 18 when the program is stored on a machine readable data carrier.